

Appendix RF test data for WIFI2.4G

1. Duty Cycle

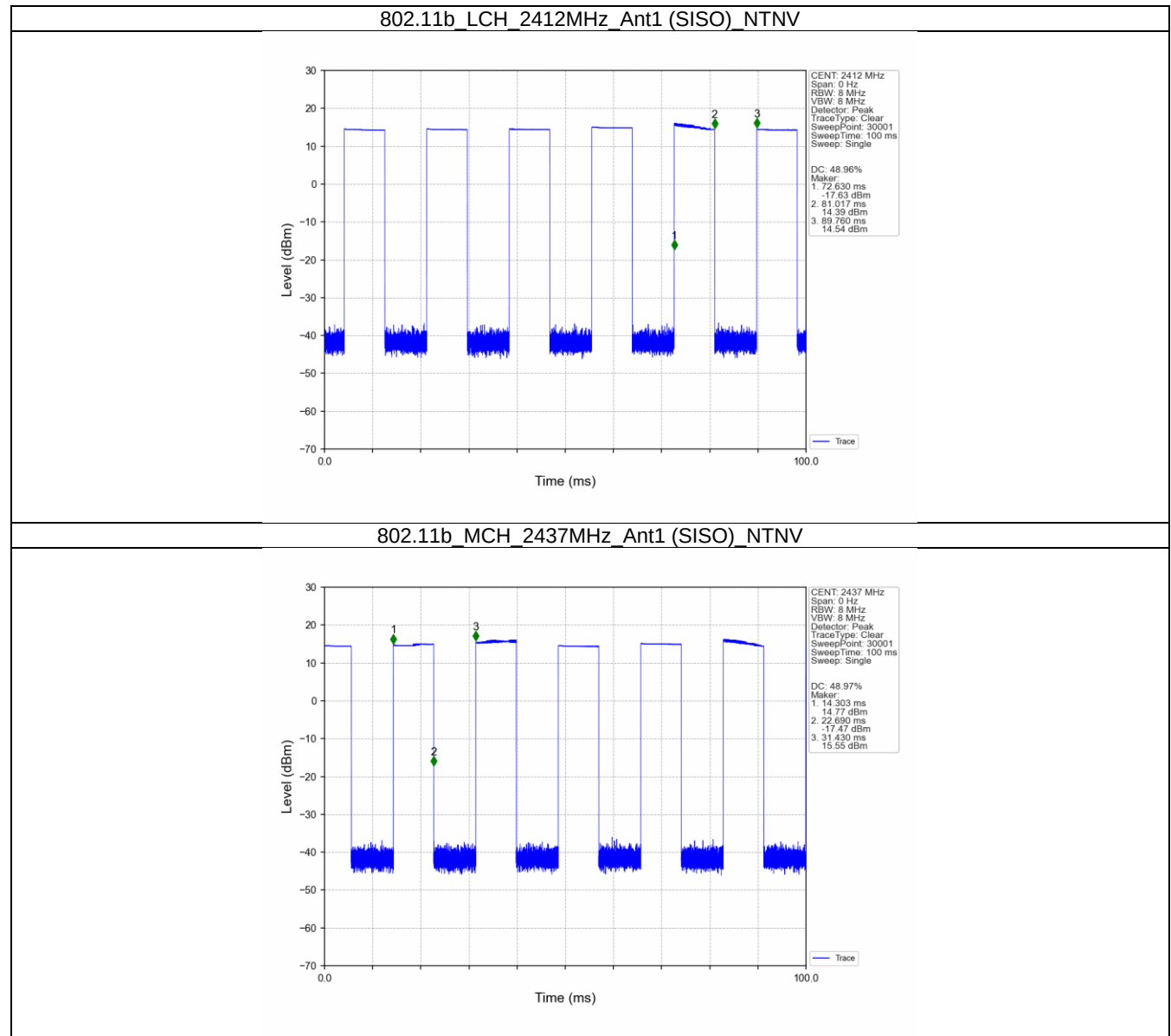
1.1 Test Result

1.1.1 Ant1

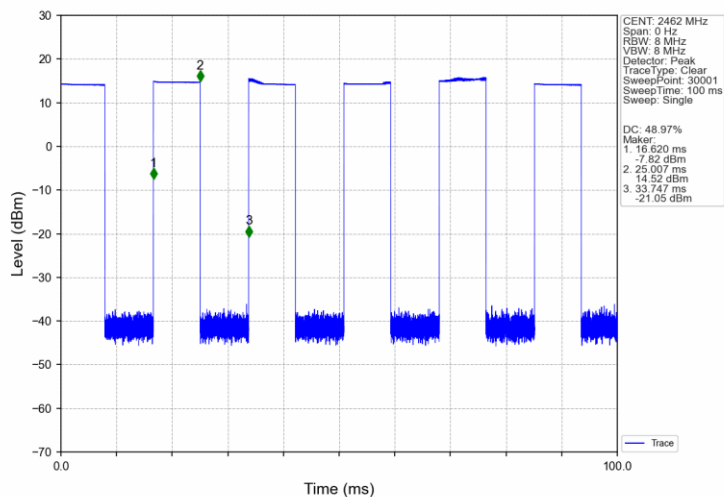
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.387	17.130	48.96	3.10	0.01
		2437	/	/	8.387	17.127	48.97	3.10	0.00
		2462	/	/	8.387	17.127	48.97	3.10	0.01
802.11g	SISO	2412	/	/	0.177	1.818	9.74	10.12	0.03
		2437	/	/	0.178	1.818	9.79	10.09	0.03
		2462	/	/	0.177	1.818	9.74	10.12	0.03
802.11n (HT20)	SISO	2412	/	/	0.165	1.698	9.72	10.12	0.00
		2437	/	/	0.166	1.698	9.78	10.10	0.00
		2462	/	/	0.165	1.698	9.72	10.12	0.07
802.11n (HT40)	SISO	2422	/	/	0.648	6.538	9.91	10.04	0.04
		2437	/	/	0.650	6.537	9.94	10.02	0.00
		2452	/	/	0.648	6.537	9.91	10.04	0.03
802.11ax (HEW20)	SISO	2412	RU242	Left	0.423	9.167	4.61	13.36	0.11
			SU	/	0.273	9.016	3.03	15.19	0.04
		2437	RU242	Left	0.430	9.174	4.69	13.29	0.04
			SU	/	0.274	9.017	3.04	15.17	0.04
		2462	RU242	Left	0.430	9.170	4.69	13.29	0.03
			SU	/	0.273	9.017	3.03	15.19	0.04
802.11ax (HEW40)	SISO	2422	RU484	Left	0.430	9.174	4.69	13.29	0.04
			SU	/	0.273	9.017	3.03	15.19	0.04
		2437	RU484	Left	0.430	9.173	4.69	13.29	0.04
			SU	/	0.273	9.017	3.03	15.19	0.04
		2452	RU484	Left	0.430	9.170	4.69	13.29	0.03
			SU	/	0.273	9.016	3.03	15.19	0.04

1.2 Test Graph

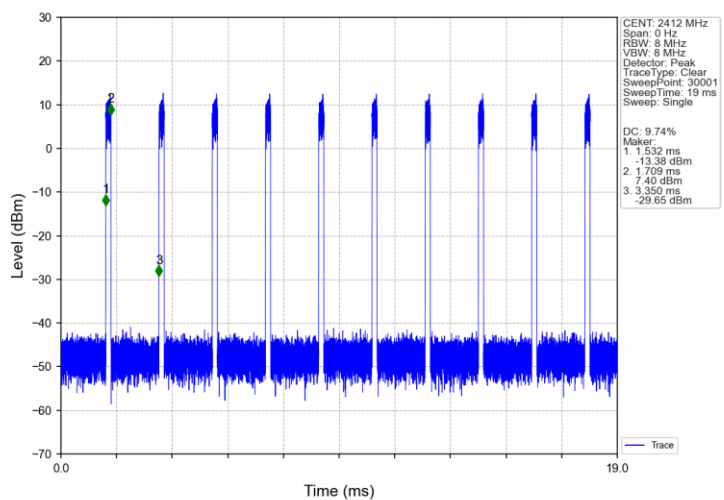
1.2.1 Ant1



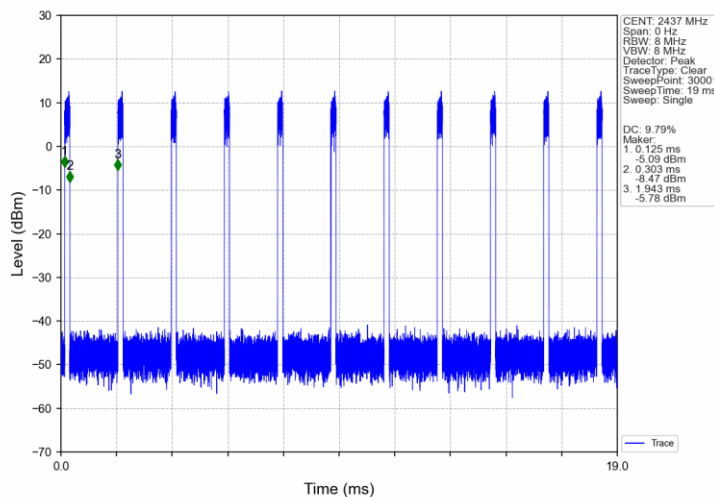
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



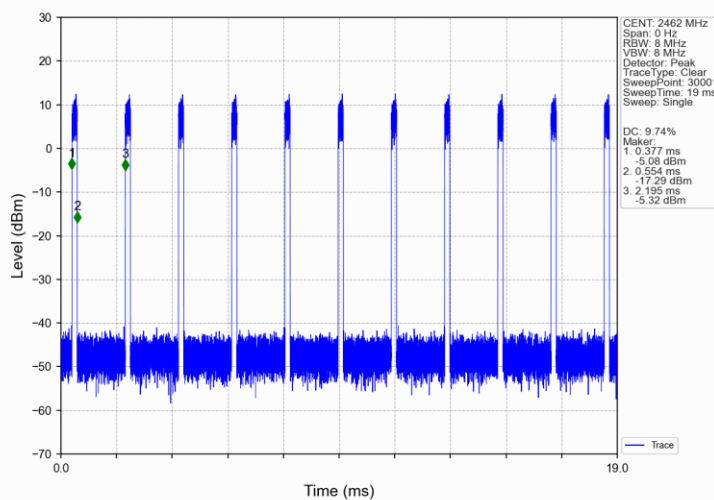
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



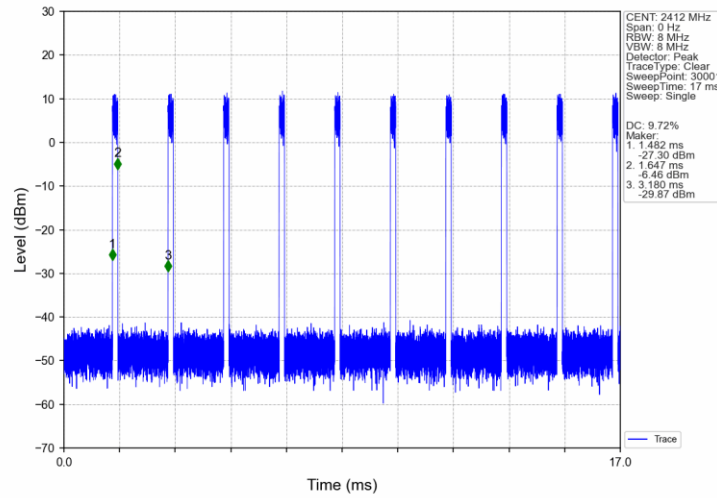
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



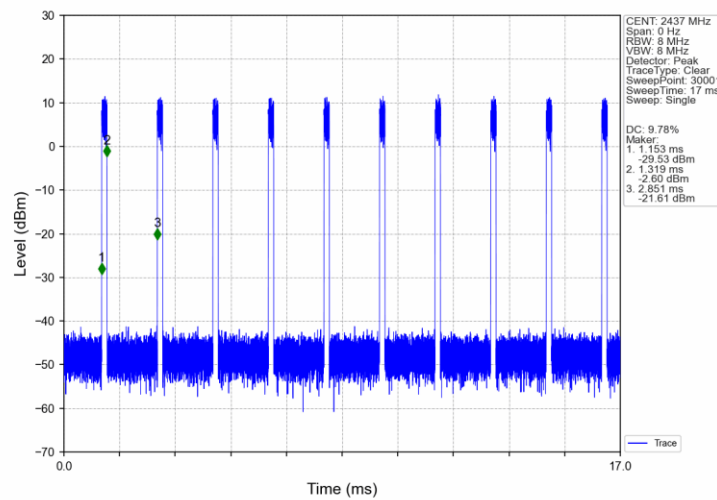
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



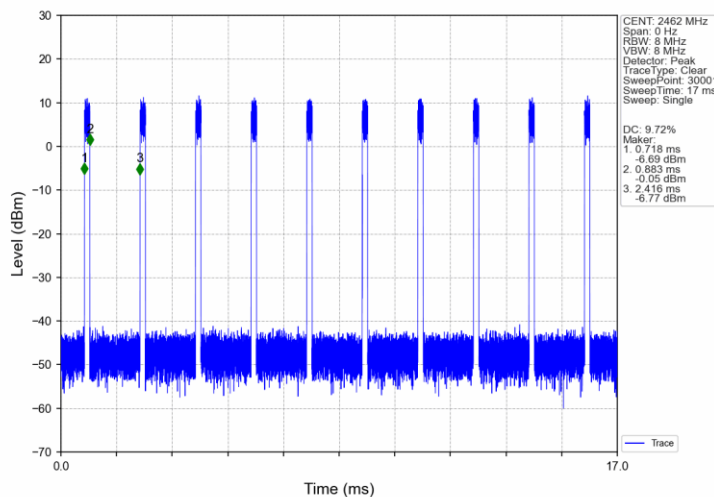
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



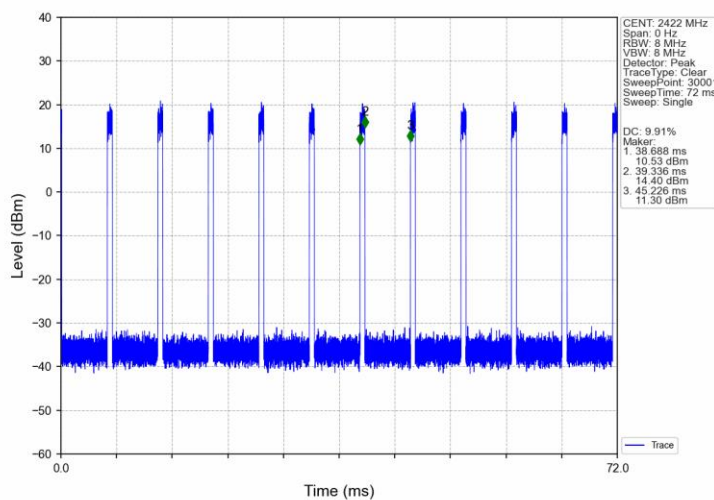
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



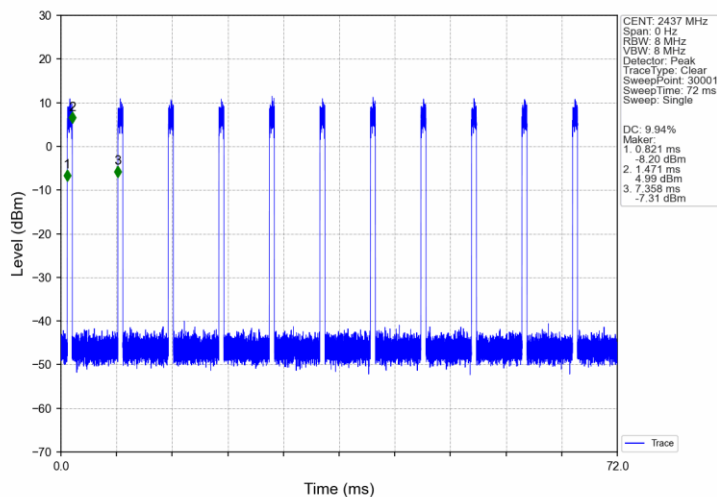
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



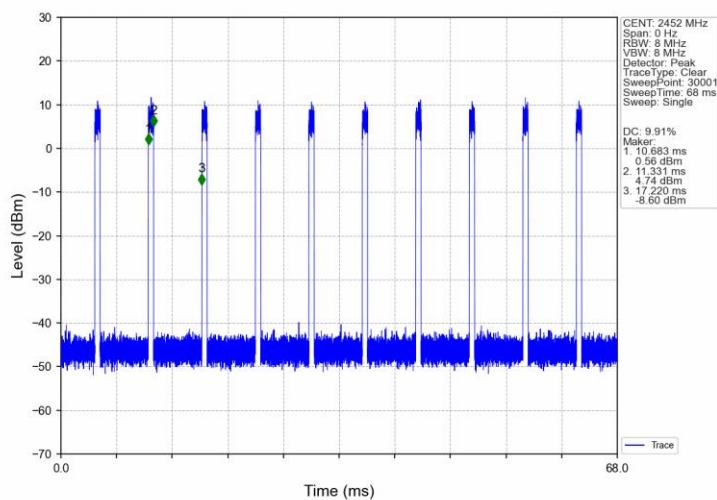
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



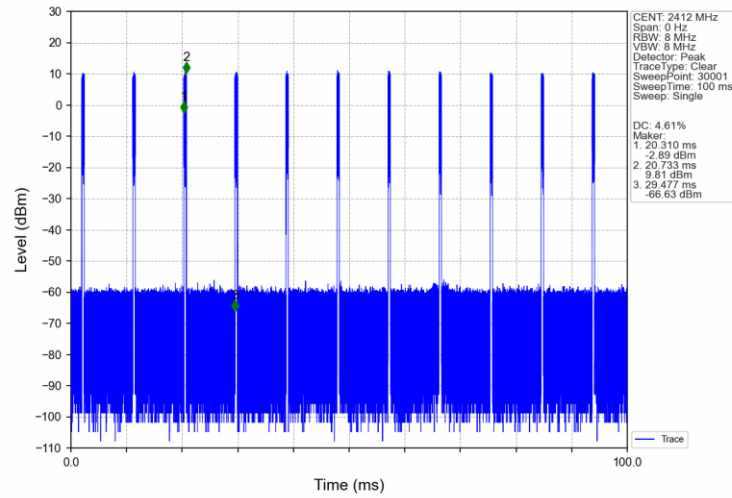
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



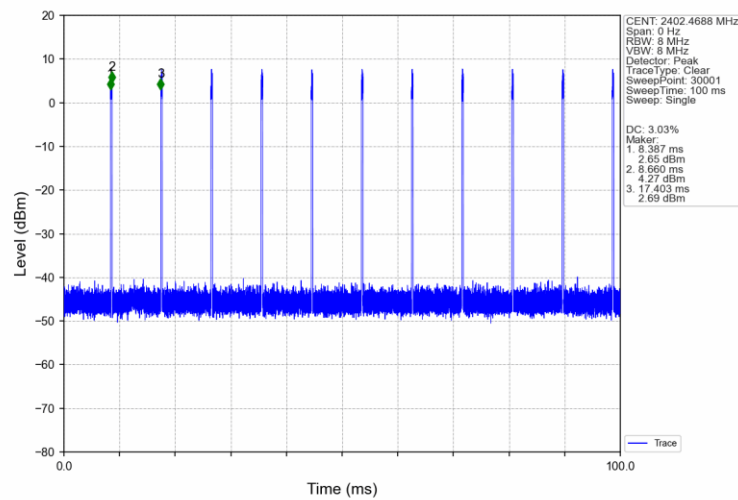
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



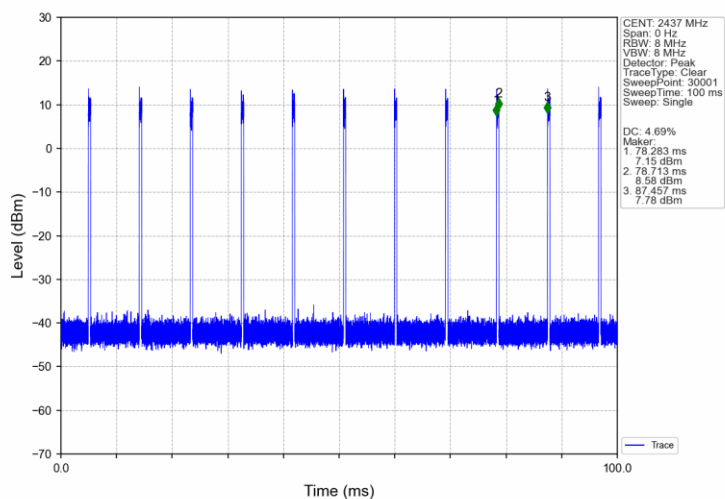
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



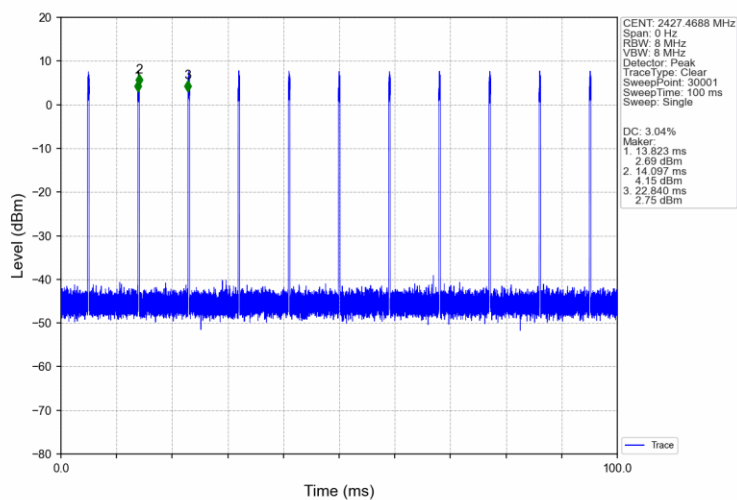
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



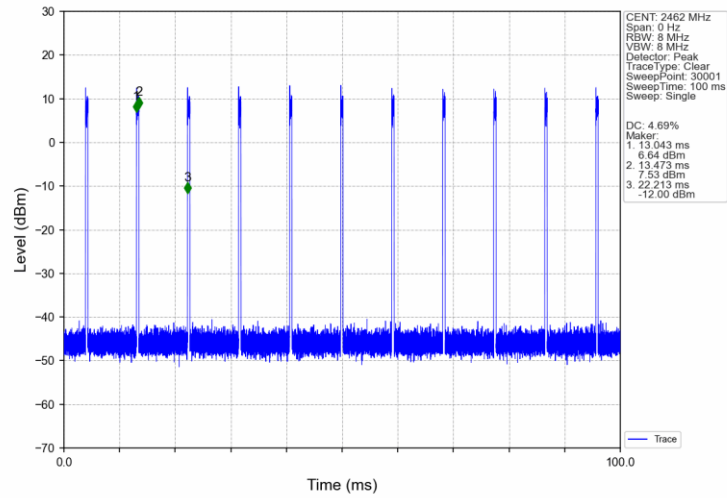
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO) NTNv



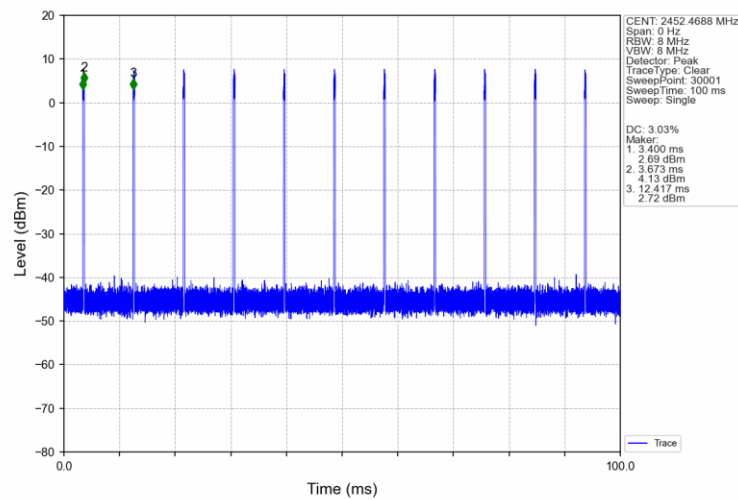
802.11ax(HEW20)_MCH_2437MHz_SU / Ant1 (SISO) NTNv



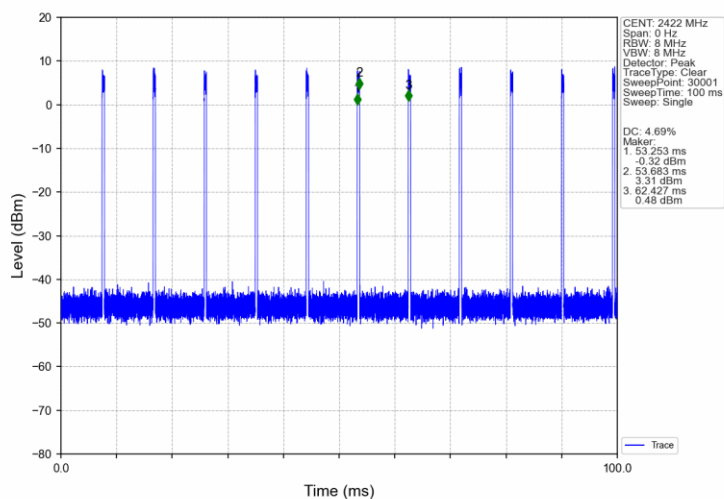
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTN



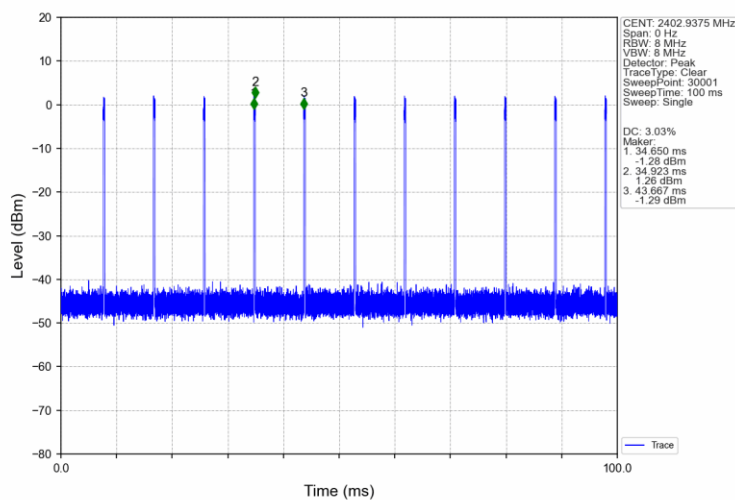
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN



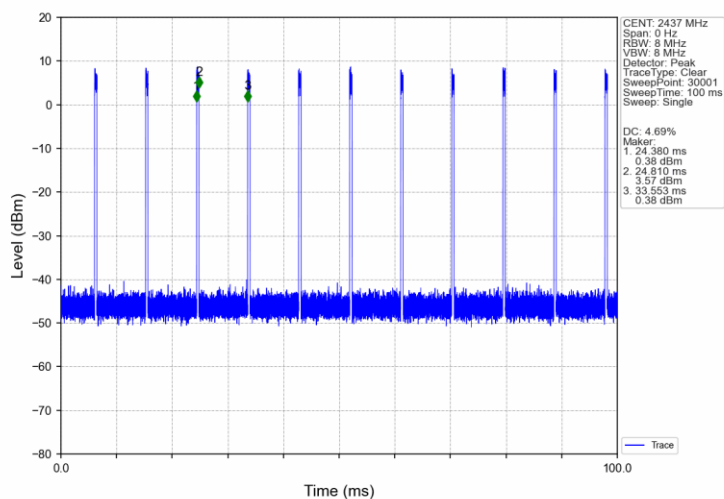
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTN



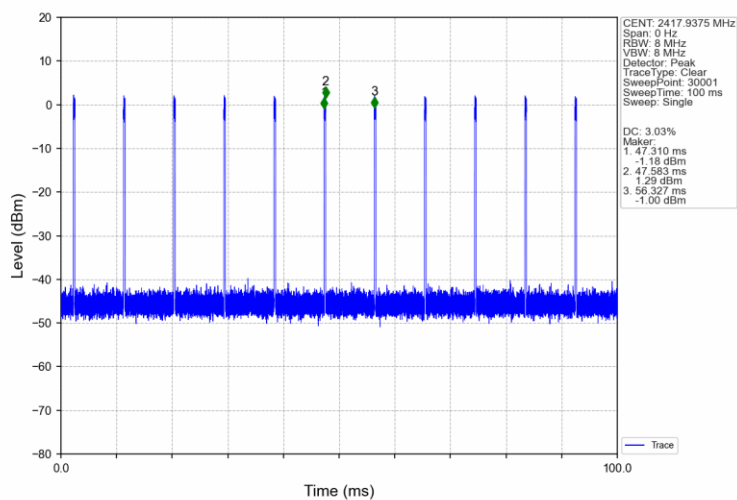
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



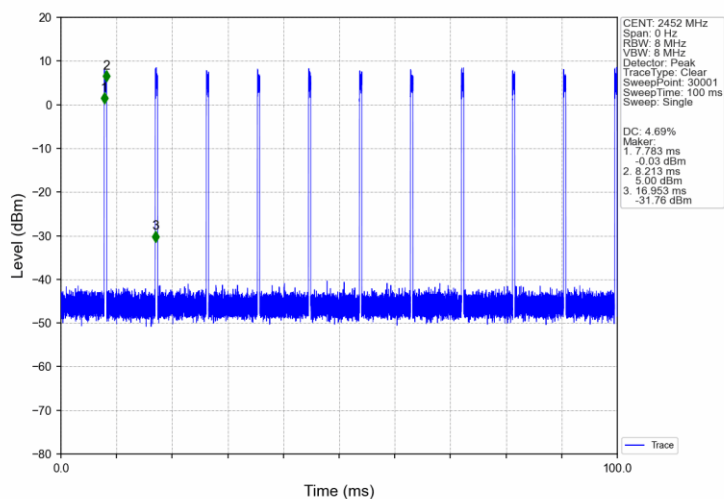
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO) NTNv



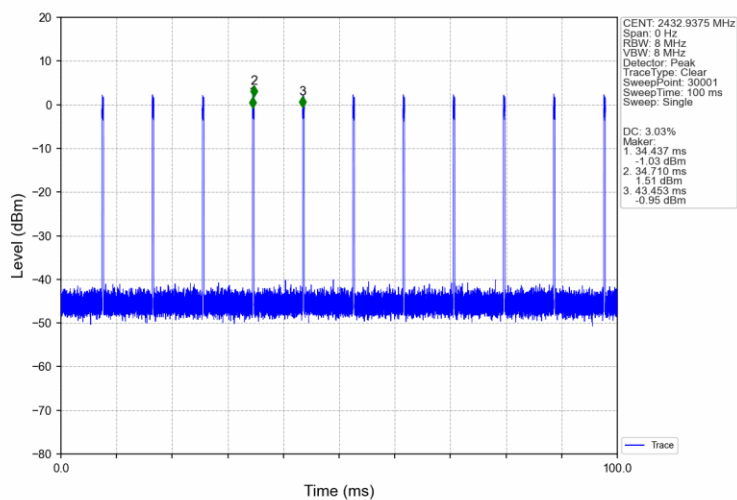
802.11ax(HEW40)_MCH_2437MHz_SU / Ant1 (SISO) NTNv



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	13.674	/	Pass
		2437	/	/	1	13.683	/	Pass
		2462	/	/	1	13.761	/	Pass
802.11g	SISO	2412	/	/	1	17.262	/	Pass
		2437	/	/	1	17.195	/	Pass
		2462	/	/	1	17.269	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	18.154	/	Pass
		2437	/	/	1	18.208	/	Pass
		2462	/	/	1	18.239	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	36.456	/	Pass
		2437	/	/	1	36.052	/	Pass
		2452	/	/	1	36.139	/	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	19.214	/	Pass
			SU	/	1	18.978	/	Pass
		2437	RU242	Left	1	19.268	/	Pass
			SU	/	1	18.979	/	Pass
		2462	RU242	Left	1	19.254	/	Pass
			SU	/	1	19.038	/	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	37.449	/	Pass
			SU	/	1	37.426	/	Pass
		2437	RU484	Left	1	37.525	/	Pass
			SU	/	1	37.328	/	Pass
		2452	RU484	Left	1	37.403	/	Pass
			SU	/	1	37.376	/	Pass

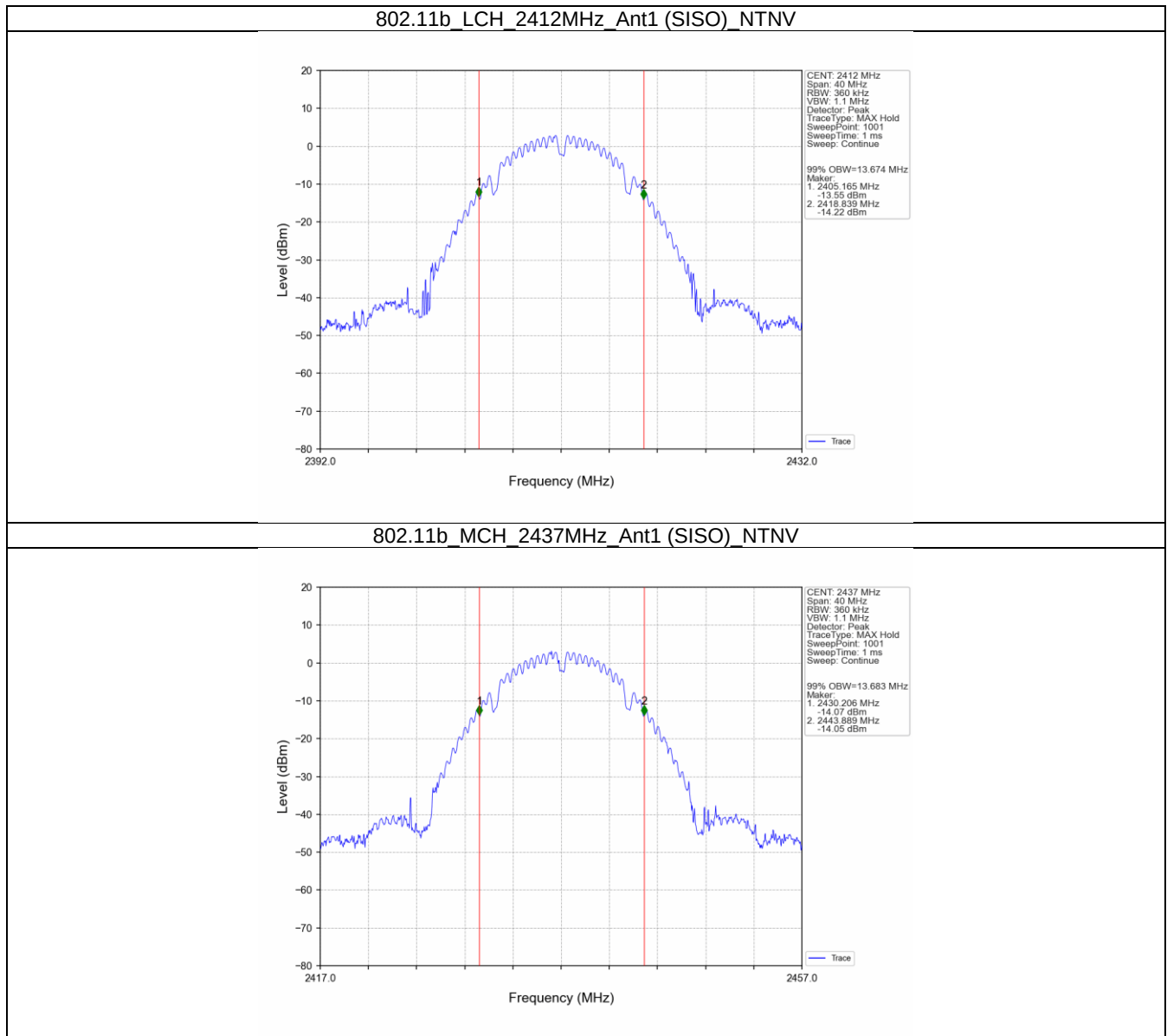
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.172	≥ 0.5	Pass
		2437	/	/	1	9.161	≥ 0.5	Pass
		2462	/	/	1	9.169	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	16.281	≥ 0.5	Pass
		2437	/	/	1	16.178	≥ 0.5	Pass
		2462	/	/	1	16.353	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.493	≥ 0.5	Pass
		2437	/	/	1	17.665	≥ 0.5	Pass
		2462	/	/	1	17.586	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.415	≥ 0.5	Pass
		2437	/	/	1	35.096	≥ 0.5	Pass
		2452	/	/	1	35.002	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	18.552	≥ 0.5	Pass
			SU	/	1	18.171	≥ 0.5	Pass
		2437	RU242	Left	1	18.414	≥ 0.5	Pass
			SU	/	1	18.228	≥ 0.5	Pass
		2462	RU242	Left	1	18.210	≥ 0.5	Pass
			SU	/	1	18.210	≥ 0.5	Pass

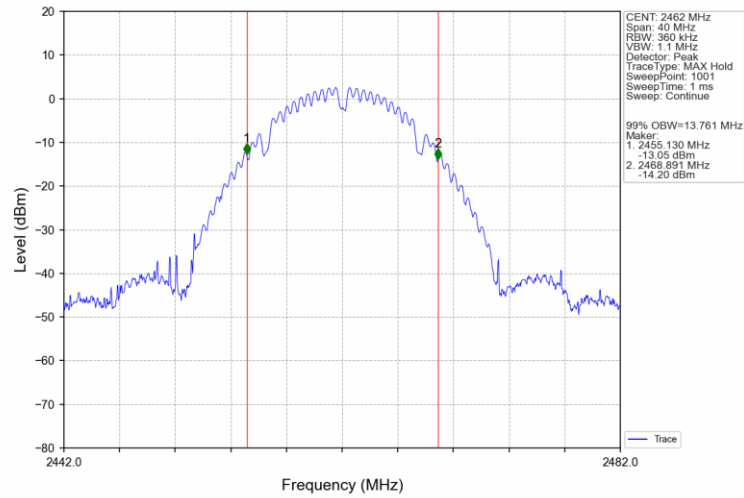
			SU	/	1	18.342	≥ 0.5	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	35.625	≥ 0.5	Pass
			SU	/	1	34.993	≥ 0.5	Pass
		2437	RU484	Left	1	34.300	≥ 0.5	Pass
			SU	/	1	34.956	≥ 0.5	Pass
		2452	RU484	Left	1	34.620	≥ 0.5	Pass
			SU	/	1	35.084	≥ 0.5	Pass

2.2 Test Graph

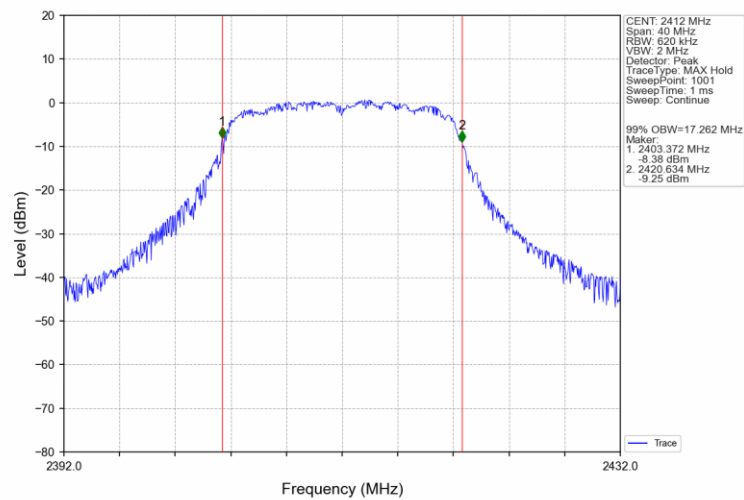
2.2.1 OBW



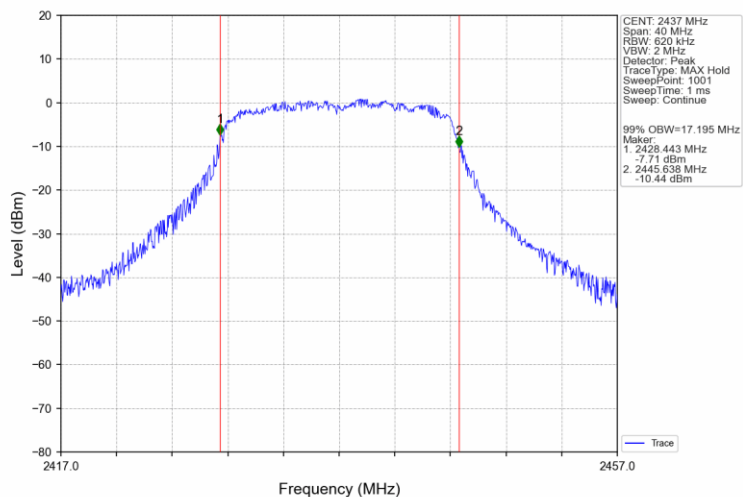
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



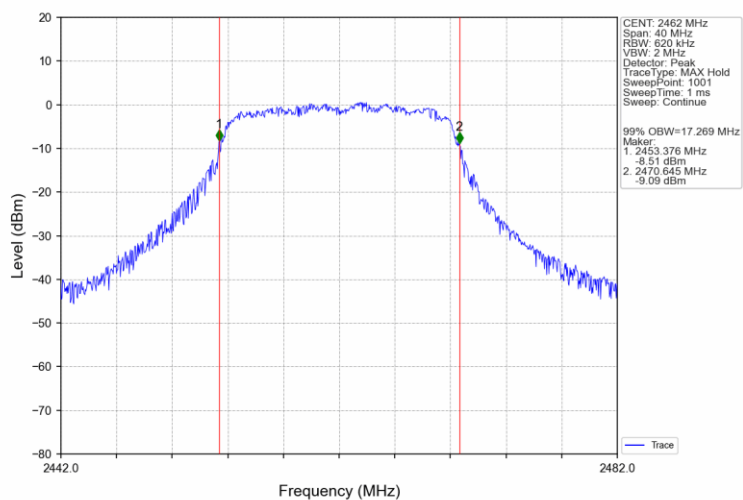
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



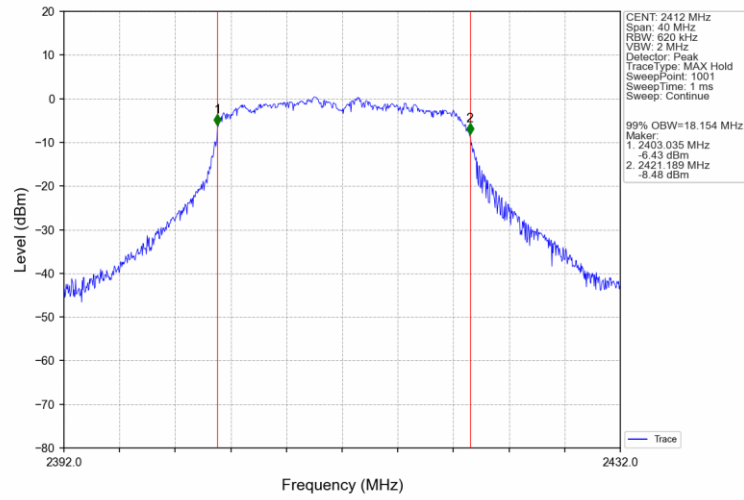
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



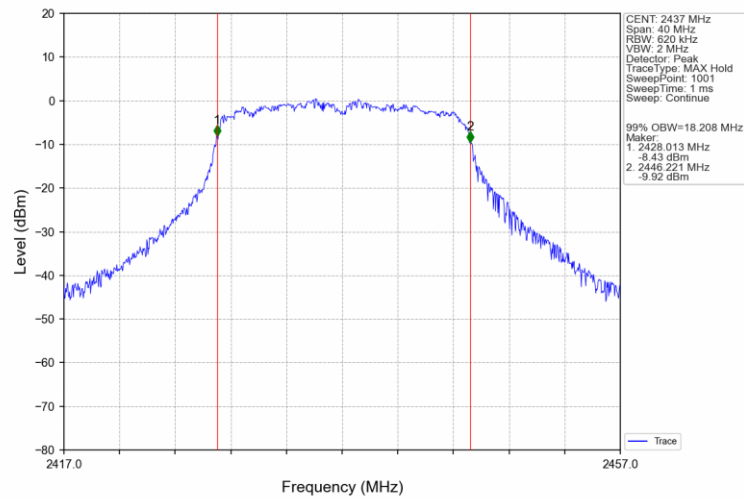
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



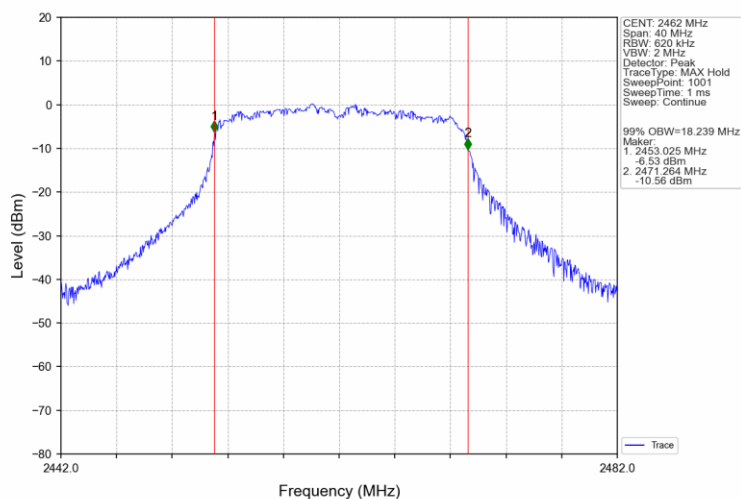
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTVN



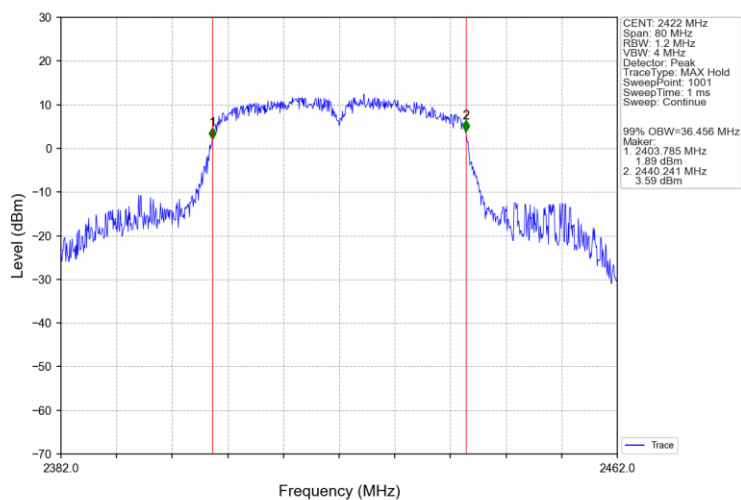
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTVN



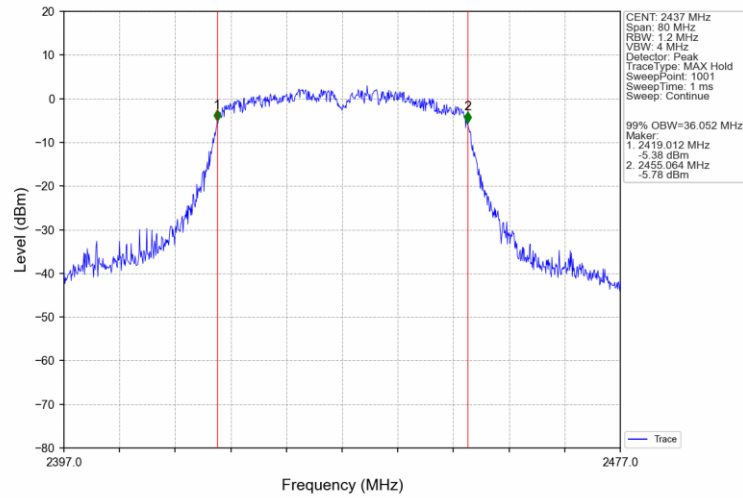
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



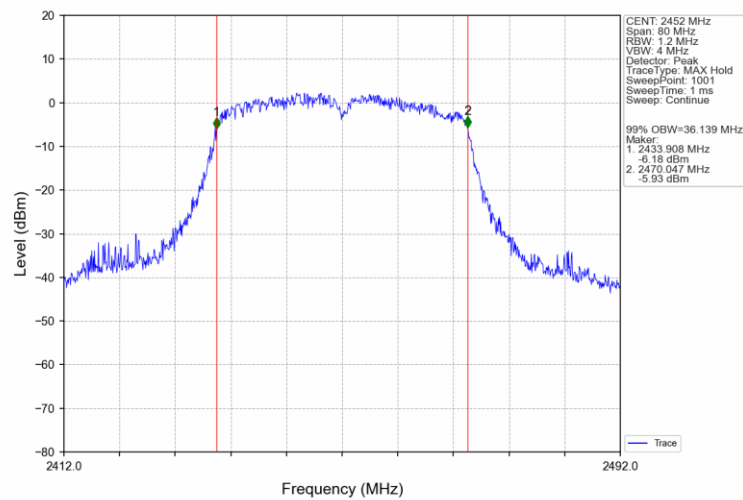
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



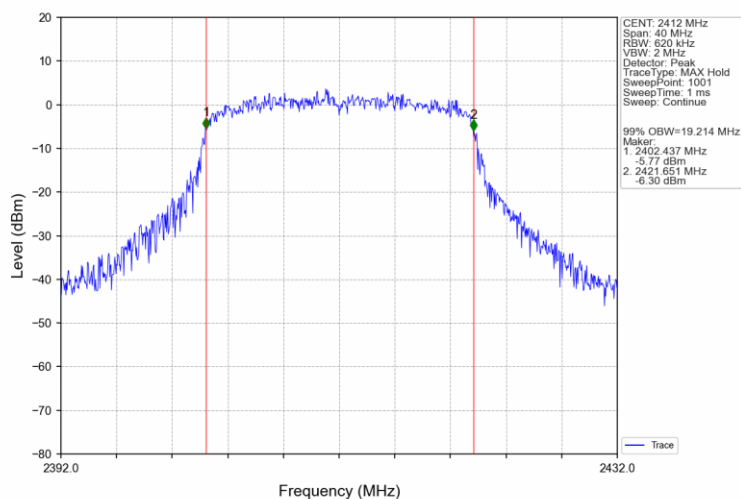
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTVN



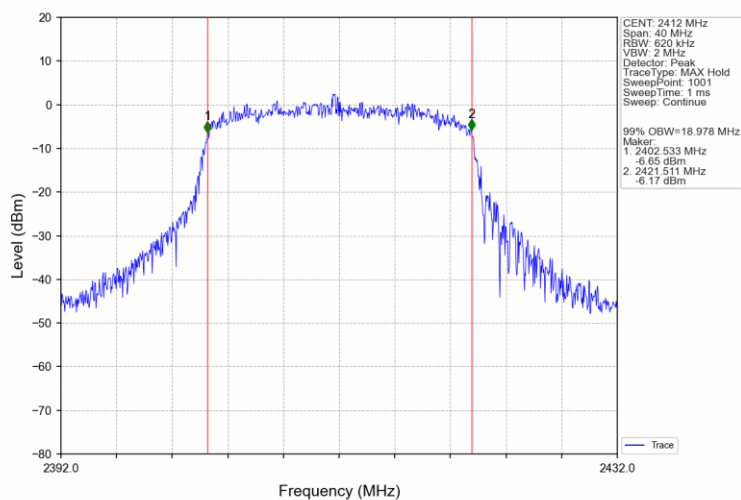
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTVN



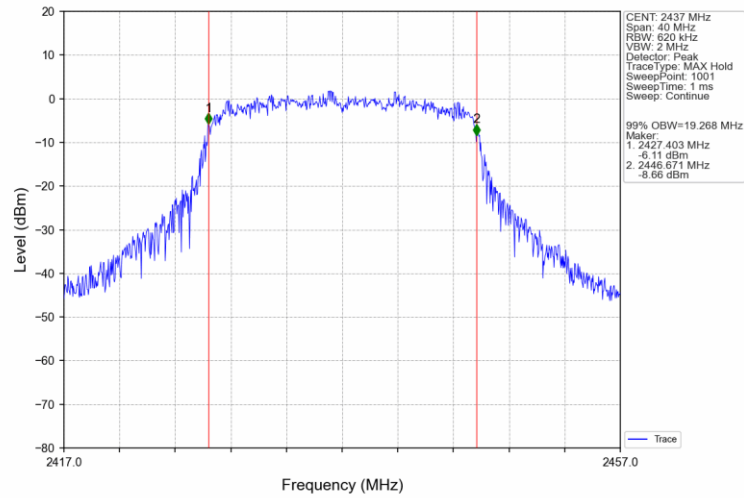
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



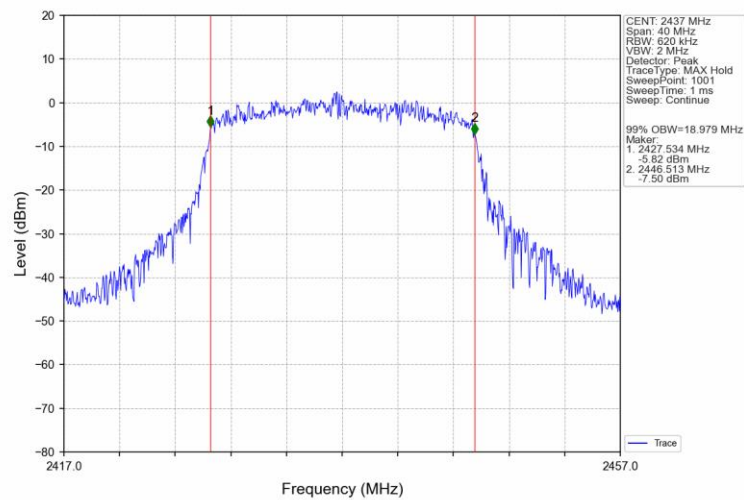
802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



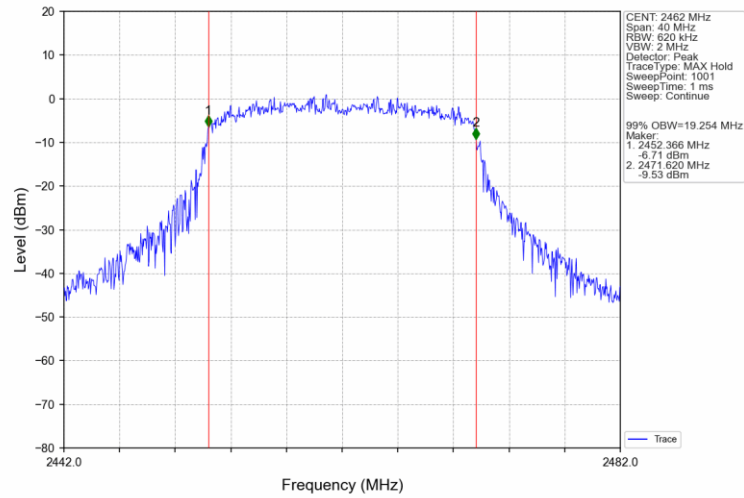
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO) NTN



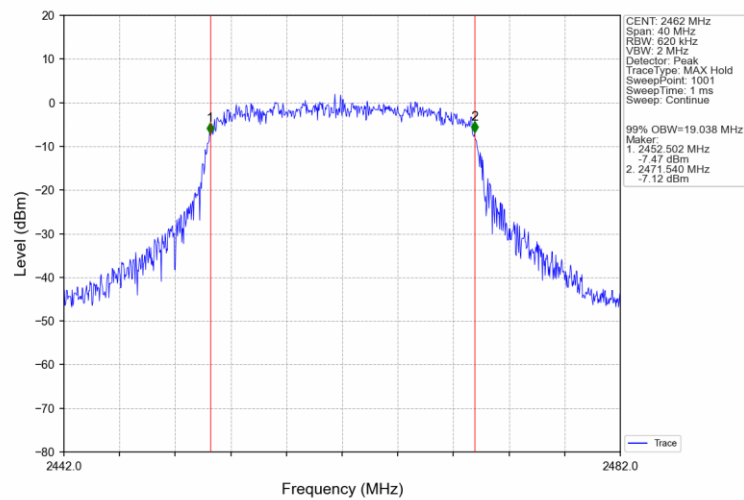
802.11ax(HEW20)_MCH_2437MHz_SU / Ant1 (SISO) NTN



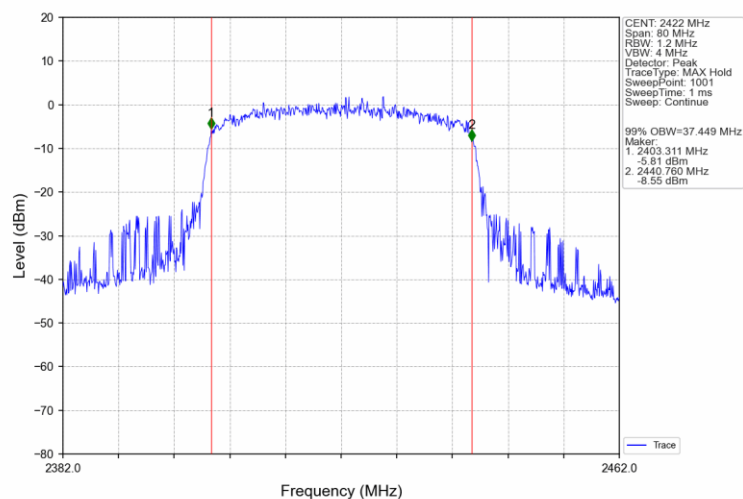
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTN



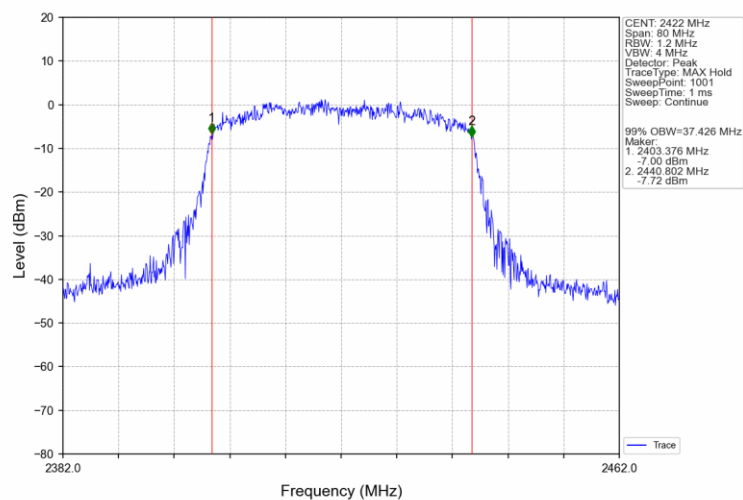
802.11ax(HEW20) HCH 2462MHz SU / Ant1 (SISO) NTN



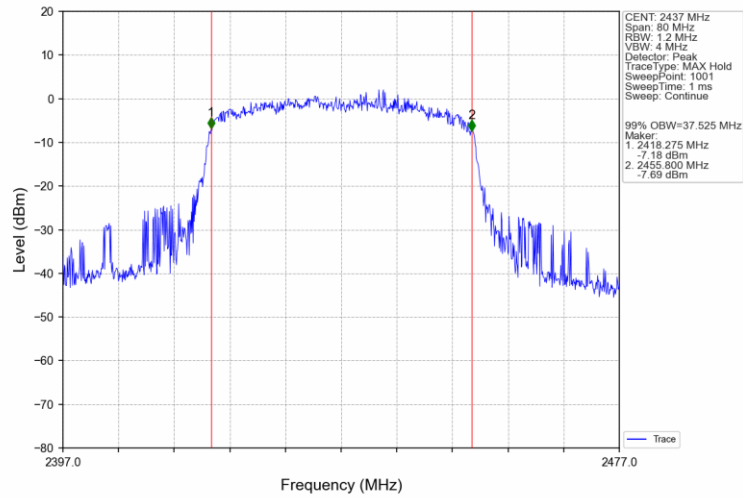
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTN



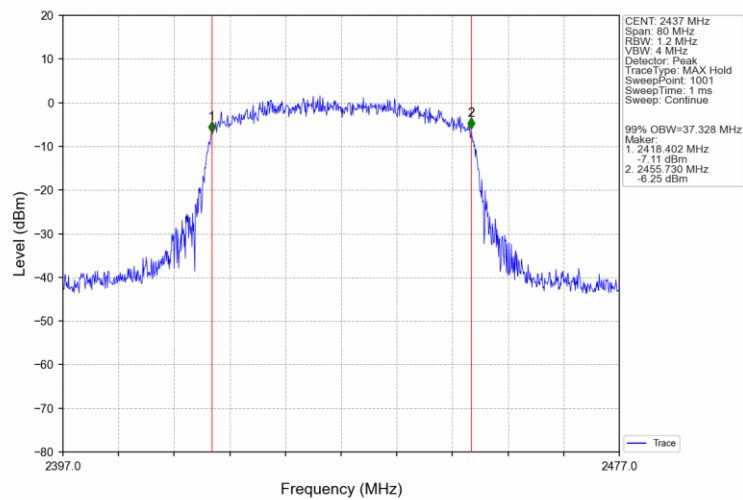
802.11ax(HEW40) LCH 2422MHz SU / Ant1 (SISO) NTN



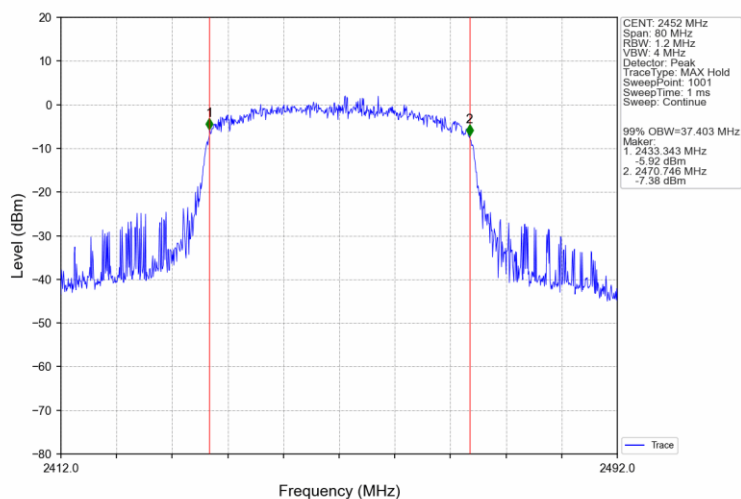
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO) NTN



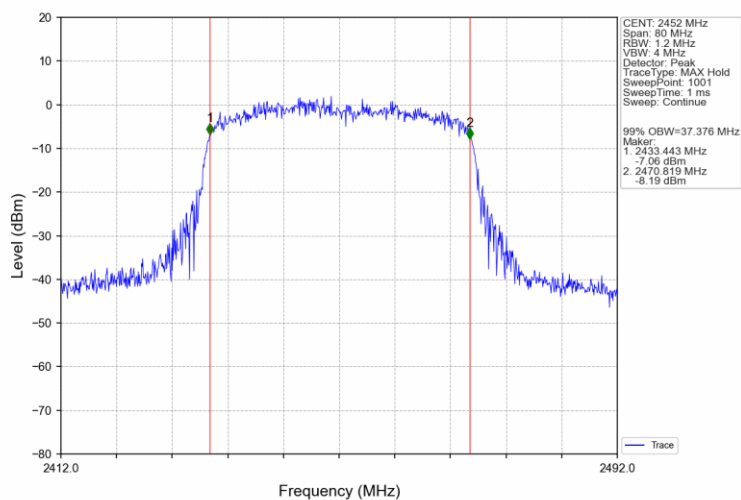
802.11ax(HEW40)_MCH_2437MHz_SU / Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTV

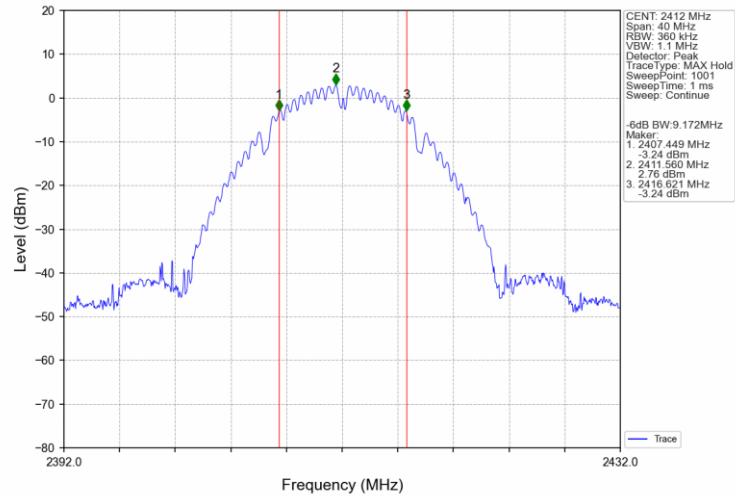


802.11ax(HEW40) HCH 2452MHz SU / Ant1 (SISO) NTV

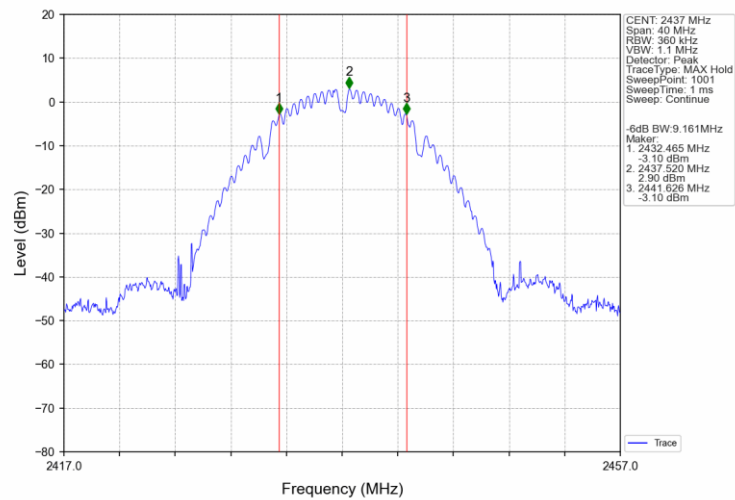


2.2.2 6dB BW

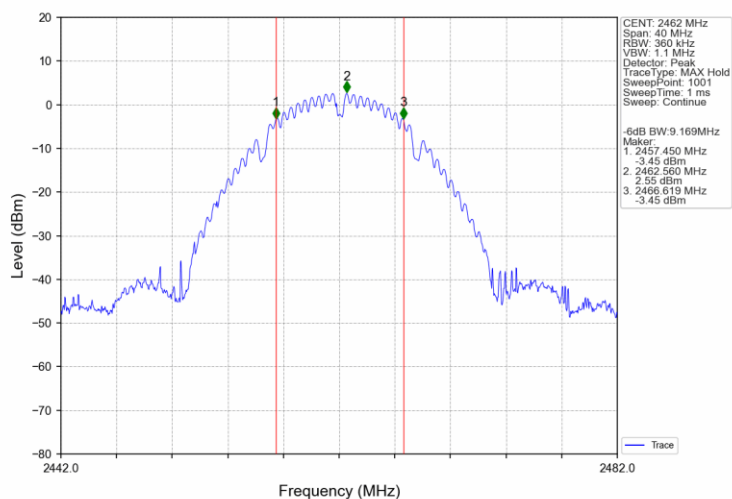
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



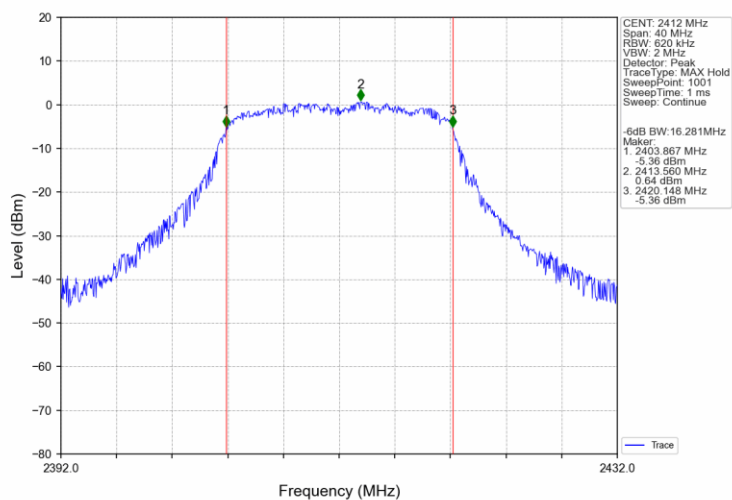
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



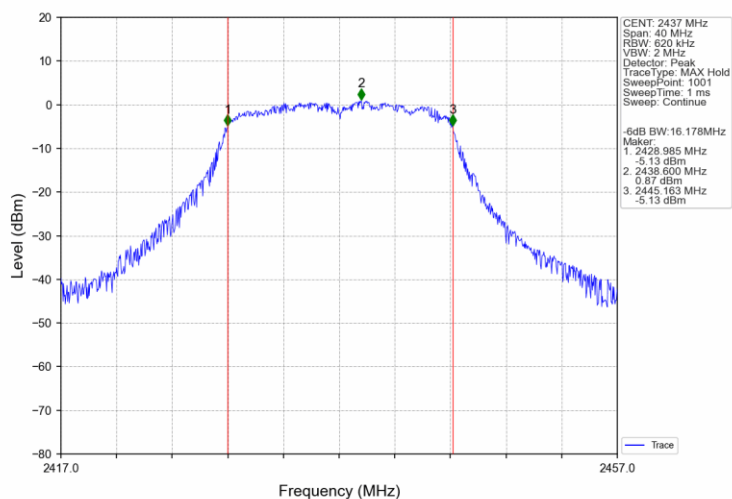
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



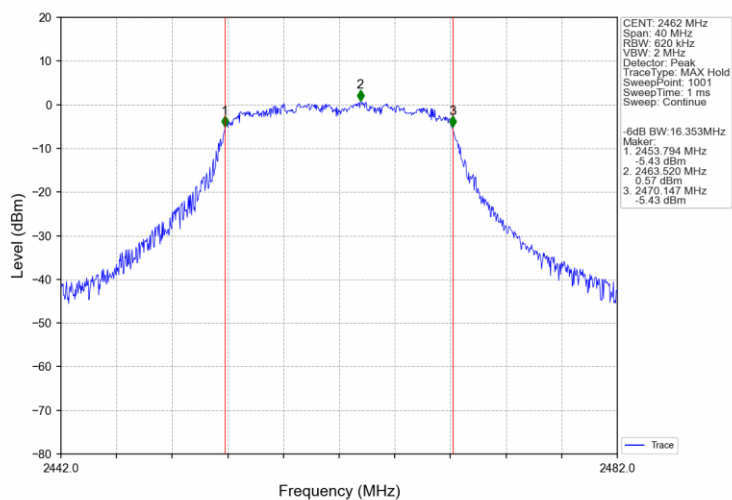
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



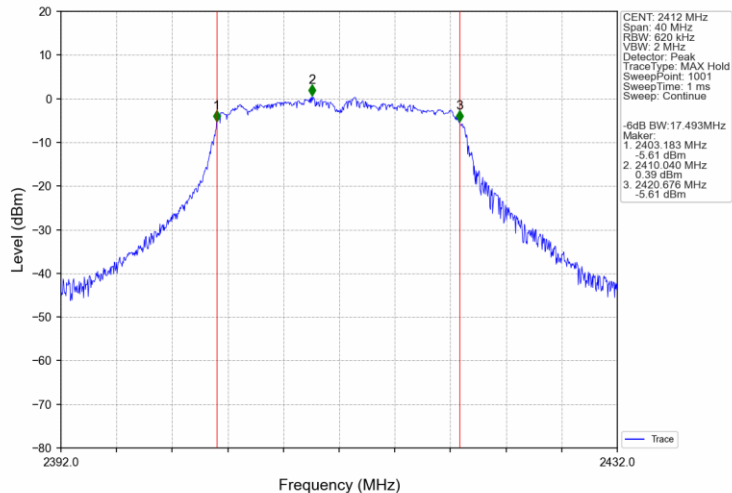
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



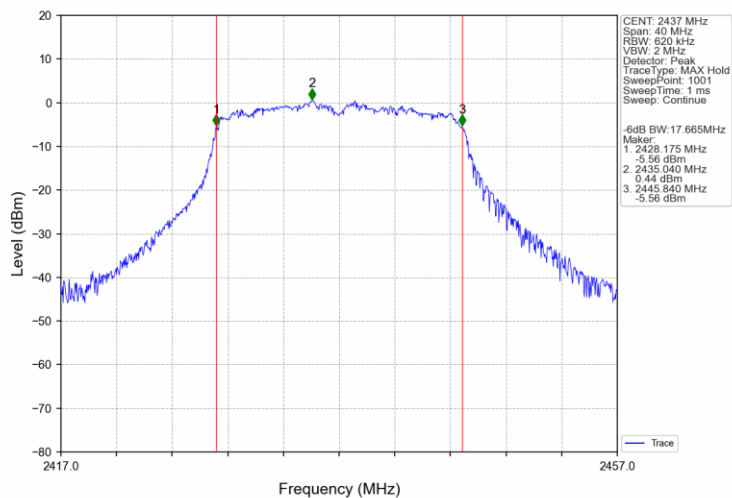
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



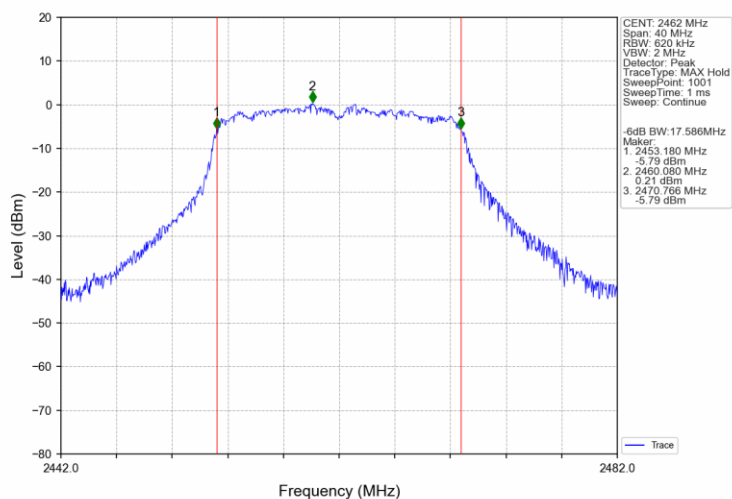
802.11n(HT20)_LCH_2412MHz_Ant1(SISO)_NTNV



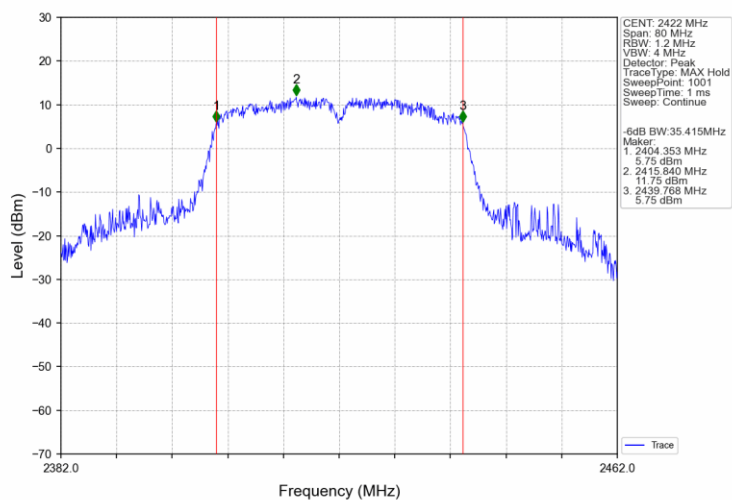
802.11n(HT20)_MCH_2437MHz_Ant1(SISO)_NTNV



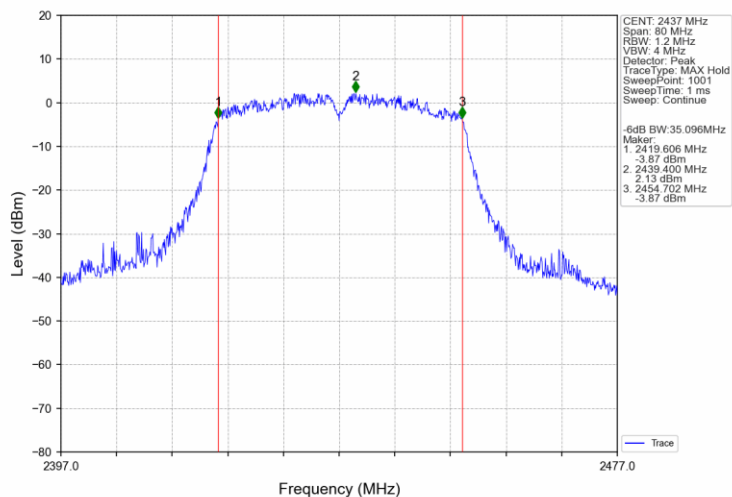
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



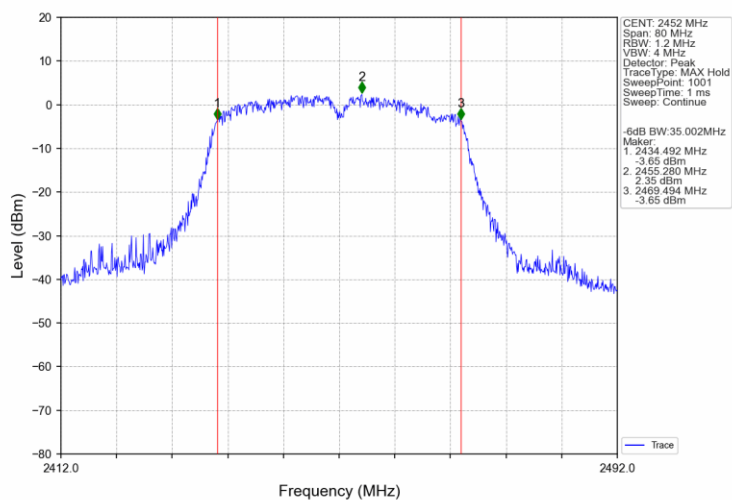
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



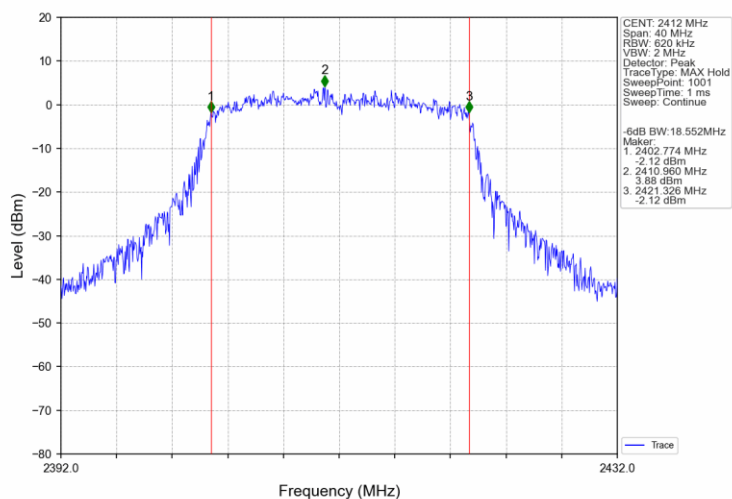
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



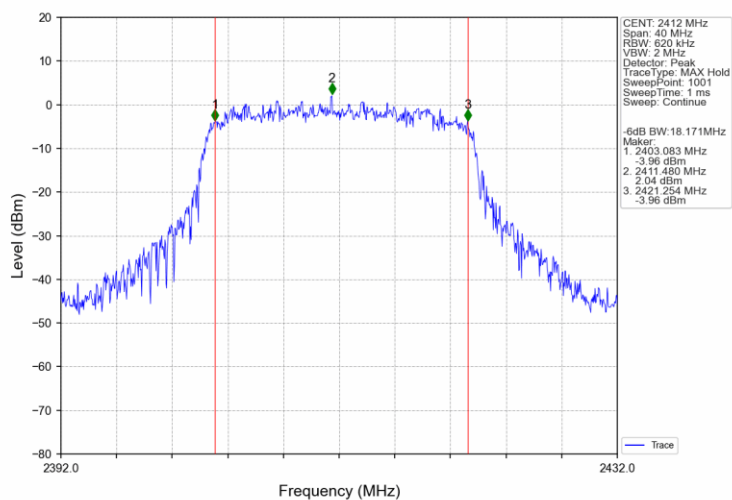
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



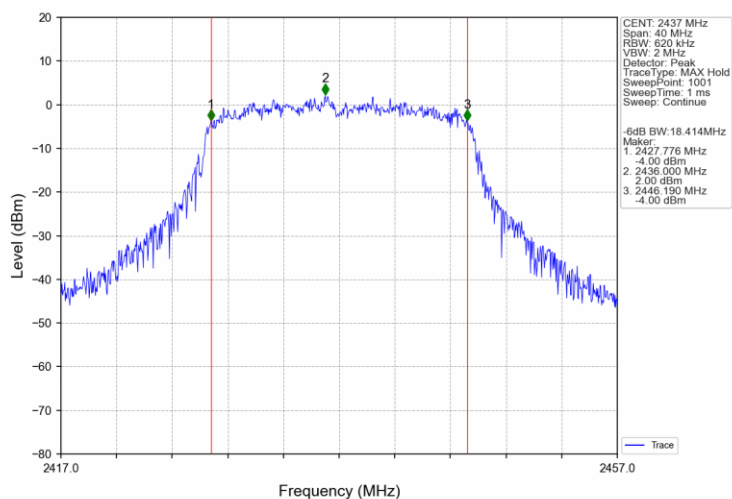
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (SISO) NTN



802.11ax(HEW20) LCH 2412MHz SU / Ant1 (SISO) NTN



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO) NTN



802.11ax(HEW20)_MCH_2437MHz_SU / Ant1 (SISO) NTN

